

WHAT IS CLAIMED IS:

1 1. A printer, in which printing is performed on a recording medium which
2 is transported in a first direction, comprising:
3 a carriage, reciprocately moved in a second direction which is
4 perpendicular to the first direction;
5 a print head, mounted on the carriage, the print head having a head
6 face;
7 a first frame, placed in a first side of the print head; and
8 a first guide plate, extending in the second direction, which includes:
9 a first portion, provided as a part of the first frame so as to
10 extend in a third direction which is orthogonal to both of the first direction and
11 the second direction;
12 a second portion, continued from the first portion so as to
13 extend in the first direction, the second portion supporting the carriage so as to
14 define a distance between the head face and the recording medium; and
15 a third portion, continued from the second portion so as to
16 extend in a fourth direction opposite to the third direction.

1 2. The printer as set forth in claim 1, wherein the carriage is provided
2 with a first guide member which is slid on a first face of the second portion of
3 the first guide plate when the carriage moves in the second direction.

1 3. The printer as set forth in claim 2, wherein the first guide member is
2 slid on a line situated at a substantially center of the second portion of the first

3 guide plate in the first direction.

1 4. The printer as set forth in claim 1, wherein either one of the first
2 portion and the third portion of the first guide plate defines a position of the
3 carriage in the first direction.

1 5. The printer as set forth in claim 4, wherein the carriage is provided
2 with a second guide member which grips either one of the first portion and the
3 third portion of the first guide plate, so that the second guide member is slid
4 thereon when the carriage moves in the second direction.

1 6. The printer as set forth in claim 1, wherein:
2 the carriage is provided with a third guide member which is slid on a
3 second face of the second portion of the first guide plate when the carriage
4 moves in the second direction; and
5 the second face is an opposite face of the first face.

1 7. The printer as set forth in claim 1, further comprising:
2 a second frame, placed in a second side of the print head which is
3 opposite side of the first side;
4 a second guide plate, extending in the second direction, which
5 includes:
6 a fourth portion, provided as a part of the second frame so
7 as to extend in the third direction;
8 a fifth portion, continued from the fourth portion so as to

9 extend in the first direction, the fifth portion supporting the carriage so as to
 10 define the distance between the head face and the recording medium; and
 11 a sixth portion, continued from the fifth portion so as to
 12 extend in the fourth direction.

1 8. The printer as set forth in claim 7, wherein the carriage is provided
 2 with a fourth guide member which is slid on the fifth portion of the second
 3 guide plate when the carriage moves in the second direction.

1 9. A printer, in which printing is performed on a recording medium which
 2 is transported in a first direction, comprising:
 3 a carriage, on which a print head is mounted, reciprocately moved in
 4 a second direction which is perpendicular to the first direction;
 5 a recording region, in which the print head performs printing;
 6 a home position, provided in one of both sides of the recording region
 7 in the second direction, at which the carriage is placed when the print head
 8 does not perform printing;
 9 a first frame, including:
 10 a carriage guide, extending in the second direction from the
 11 recording region to the home position such that the carriage moves therealong;
 12 and
 13 supporting legs, extending downwards from both side end
 14 portions of the carriage guide; and
 15 a second frame, including:
 16 first positioning members, which define positions of the

17 supporting legs in the first direction;
18 second positioning members, which define positions of the
19 supporting legs in the second direction;
20 third positioning members, which define positions of the
21 supporting legs in a third direction which is orthogonal to both of the first
22 direction and the second direction; and
23 a supporting base, which supports at least a bottom portion
24 of one supporting leg situated in the home position.

1 10. A printer, in which printing is performed on a recording medium which
2 is transported in a first direction, comprising:
3 a first guide plate, extending in a second direction which is
4 perpendicular to the first direction;
5 a looped belt member;
6 a drive motor, which circulating the looped belt member in the second
7 direction;
8 a head assembly, including:
9 a print head;
10 a belt holder, at which a part of the looped belt is fixed; and
11 a first guided portion, provided in a first side of the print head,
12 and slid on the first guide plate in accordance with the circulation of the looped
13 belt member.

1 11. The printer as set forth in claim 10, further comprising a second guide
2 plate placed in a second side of the print head, which is an opposite side of the

3 first side, so as to extend in the second direction,
4 wherein the head assembly includes a second guided portion slid on
5 the second guide plate in accordance with the circulation of the looped guide
6 member.

1 12. The printer as set forth in claim 10, wherein:
2 the first guided member is slidably held on the first guide plate while
3 defining a position of the print head in the first direction; and
4 the head assembly includes a third guided portion slidably held on the
5 first guide plate while defining a position of the print head in a third direction
6 which is orthogonal to both of the first direction and the second direction.